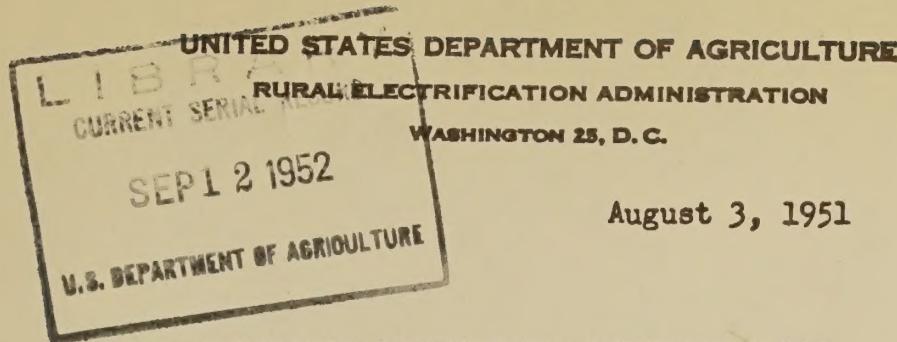


Reserve
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T232



August 3, 1951

TELEPHONE ENGINEERING MEMORANDUM 515

SUBJECT: Defective Materials

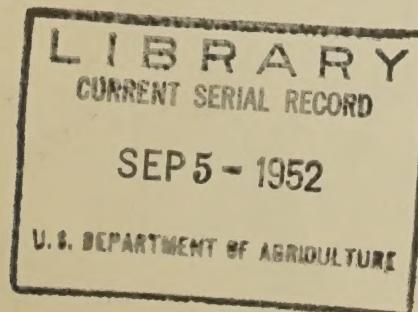
According to the provisions of materials contracts as well as labor and material contracts, materials must conform to the specifications included in those contracts. Although the contracts provide that defective materials may be rejected after incorporation into the project, it is a waste of labor and expense to install and remove them if this can be avoided through proper inspection before installation.

All engineering service contracts (and approved procedures for force account engineering) require that the borrower's engineer shall carefully inspect all materials prior to their use and that he shall reject defective materials. It is to be expected that some items of material delivered will not conform to the specifications, and it is incumbent upon the engineer to inspect all materials delivered to the contractor or the borrower. This inspection preferably should be done soon after delivery so that replacements may be made before materials are needed for construction. However, in some cases, materials may be stored for some time and could deteriorate from weathering so that two inspections may be necessary to be sure that no defective materials are installed.

The borrower's engineer should prepare a list of all materials rejected and deliver it to the borrower or to the contractor who will obtain replacement of them. The engineer's responsibility continues through to the completion of construction, and any defective material installed which escaped previous detection should be replaced with satisfactory material.

System managers and contractors should store materials in an orderly arrangement so that the engineer can make his inspections as conveniently as possible.

Particular attention should be given to the proper storage of poles. They deteriorate rapidly when lying on the ground. The instructions contained in Telephone Engineering Memorandum 514, Unloading and Storing Poles, should be followed.



J. K. O'Shaughnessy

J. K. O'Shaughnessy
Chief, Engineering Division

